

CLAIMS

1. A method of transferring an in-progress telephone call between a wireless device and a wired device, comprising:

5 establishing a short-range wireless communication link between the wireless and wired devices;

at the wireless device, receiving an identifier that has been transmitted from the wired device to the wireless device over the communication link; and

10 at the wireless device, transmitting the identifier together with a call transfer request to enable the telephone call to be transferred to the wired device.

2. The method as described in Claim 1 wherein the short-range wireless communication link conforms to a given radio frequency (RF) protocol.

3. The method as described in Claim 2 wherein the given RF protocol is Bluetooth.

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4. The method as described in Claim 1 wherein the short-range wireless communication link is an infrared link.

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5. The method as described in Claim 1 further including:

at the wireless device, transmitting a request message to the wired device requesting transmission of the identifier.

6. The method as described in Claim 1 further including:

in a network, receiving the identifier and the call transfer request transmitted from the wired device; and re-routing the in-progress call to the wired device.

7. The method as described in Claim 1 wherein the identifier is a telephone number of the wired telephone.

8. A method of transferring an in-progress telephone call between a wireless device and a wired device, comprising:

establishing a first communication link between the wireless and wired devices when the devices are in physical proximity to each other;

at the wireless device, transmitting a request message to the wired device over the first communication link requesting transmission of an identifier;

at the wireless device, receiving the identifier that has been transmitted from the wired device to the wireless device over the first communication link; and

at the wireless device, transmitting the identifier together with a call transfer request to a network device over a second communication link;

at the network device, receiving the identifier together with the call transfer request and re-routing the in-progress call to the wired device.

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9. The method as described in Claim 8 wherein the first communication link is a short-range wireless radio communication link.

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10. The method as described in Claim 8 wherein the first communication link is a short-range wireless infrared communication link.

11. The method as described in Claim 8 wherein the identifier is a telephone number of the wired device.

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12. The method as described in Claim 8 further including disconnecting the wireless device from the in-progress telephone call following re-routing.

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13. The method as described in Claim 8 further including:

having a user of the wireless device initiate the establishing of the first communication link by entering given control commands in the wireless device.

14. A communications system, comprising:

a wireless device having a transceiver;

a wireline device having the transceiver;

10 a short-range wireless communications link over
which the wireless and wireline devices communicate using
their respective transceivers; and

means operative in the wireless device for transferring an in-progress telephone call from the wireless device to the wireline device.

15. The communications system as described in Claim 14 wherein the means for transferring comprises:

means for transmitting a request message to the
20 wired device over the communications link requesting
transmission of an identifier;

means for receiving the identifier transmitted from the wired device to the wireless device over the communications link; and

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1. The first step is to identify the problem. This involves understanding the current situation and what needs to be achieved.

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means for transmitting the identifier together with a call transfer request to a network device to re-route the in-progress telephone call.

5 16. The communications system as described in Claim 14 wherein each of the transceivers is provisioned according to a given RF protocol.

10 17. The communications system as described in Claim 16 wherein the given RF protocol is Bluetooth.

15 18. A wireless device, comprising:
a processor;
a short-range wireless transceiver;
memory coupled to the processor, tangibly embodying a program of instructions executable by the processor for transferring an in-progress telephone call from the wireless device to a selected wireline device by the following method:

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20 controlling the short-range wireless transceiver to transmit a request message to the wired device over a short-range communications link requesting transmission of an identifier;
controlling the short-range wireless
25 transceiver to receive the identifier transmitted

from the wired device to the wireless device over the short-range communications link; and

transmitting the identifier together with a call transfer request to a given network device to request re-routing of the in-progress telephone call.

19. A wireline device, comprising:

a processor;

a short-range wireless transceiver;

memory coupled to the processor, tangibly embodying a program of instructions executable by the processor for receiving a transfer of an in-progress telephone call from the wireless device by the following method steps:

controlling the short-range wireless transceiver to receive a request message transmitted from the wireless device over a short-range communications link requesting transmission of an identifier; and

controlling the short-range wireless transceiver to transmit the identifier to the wireless device over the short-range communications link.